Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/28/2020 09:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124785	-1	2.48	124837	2.51
Blue	F	SSC	125000	123974	-1	1.70	124705	1.72
Blue	E	FITC	15892	15463	-3	2.79	336	19.98
Blue	D	PE	29999	29628	-2	1.96	645	15.13
Blue	B	PerCP-Cy5-5	43732	43236	-2	3.67	1162	20.89
Blue	A	PE-Cy7	30845	30702	-1	6.25	585	41.14
Red	C	APC	46112	45274	-2	2.42	1600	11.77
Red	A	APC-Cy7	30458	29481	-4	2.31	780	12.07
Violet	B	V450	7918	7544	-5	4.93	427	12.89
Violet	A	V500	32171	30765	-5	4.80	718	10.74

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17309	14.16	627	6	N/A	N/A	Pass
Blue	F	SSC	56960	1.23	566	7	N/A	N/A	Pass
Blue	E	FITC	59	65.09	545	2	0.0203	125	Pass
Blue	D	PE	134	51.57	552	4	0.1562	282	Pass
Blue	B	PerCP-Cy5-5	215	49.42	658	2	0.0084	8	Pass
Blue	A	PE-Cy7	108	106.19	701	3	0.0110	29	Pass
Red	C	APC	383	25.02	583	-1	0.0267	223	Pass
Red	A	APC-Cy7	171	27.99	554	-2	0.0053	456	Pass
Violet	B	V450	65	59.30	466	8	0.0621	2509	Pass
Violet	A	V500	105	32.51	481	7	0.0225	495	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.22	-31.74	0.93
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.46
Red	16.59	13.60 - 20.40	N/A	N/A	29.28	29.75	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10053

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments